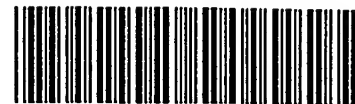


RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/530,240A
Source: TFW16
Date Processed by STIC: 08/09/2006

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IFW16

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DATE: 08/09/2006

PATENT APPLICATION: US/10/530,240A

TIME: 10:02:37

Input Set : A:\BB-142.ST25.txt

Output Set: N:\CRF4\08092006\J530240A.raw

3 <110> APPLICANT: Muller, Werner
 4 Schroeder, Heinz
 5 Krasko, Anatoli
 7 <120> TITLE OF INVENTION: Decomposition and Modification of Silicate and Silicone by
 8 Silicase and Use of the Reversible Enzyme
 10 <130> FILE REFERENCE: BB-142
 12 <140> CURRENT APPLICATION NUMBER: 10/530,240A
 C--> 13 <141> CURRENT FILING DATE: 2005-07-27
 15 <150> PRIOR APPLICATION NUMBER: PCT/EP2003/010983
 16 <151> PRIOR FILING DATE: 2003-10-02
 18 <150> PRIOR APPLICATION NUMBER: DE 10246186.4
 19 <151> PRIOR FILING DATE: 2002-10-03
 21 <160> NUMBER OF SEQ ID NOS: 2
 23 <170> SOFTWARE: PatentIn version 3.3
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 379
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Suberites domuncula
 30 <400> SEQUENCE: 1
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 33 1 5 10 15
 36 Pro Leu Thr Ser Tyr Val Ser Arg Trp Ala Ser Ala Leu Pro Thr Arg
 37 20 25 30
 40 Thr His Pro Phe Tyr Lys Leu Val Asp Asp Ser Thr Thr Pro Val Thr
 41 35 40 45
 44 Arg Ser Thr Leu Leu Ser Ala His Met Val Asp Thr Leu Leu Asp Glu
 45 50 55 60
 48 Asn Gln Gln Ser Arg His Glu Asn Gln His Thr Asp Thr Ser Tyr Lys
 49 65 70 75 80
 52 Met Tyr Gln Gly Leu Lys Phe Val Val Lys Thr Leu Phe Thr Pro Ser
 53 85 90 95
 56 Lys Cys His Arg His Phe Ser Thr Ser Ala His Leu Ser Ala Met Gly
 57 100 105 110
 60 Arg His Gln Ser Pro Ile Asn Ile Ile Thr Ser Ser Thr Thr Lys Gly
 61 115 120 125
 64 Pro Ser Leu Lys Pro Leu Lys Phe Ser Lys Ser Trp Asp Lys Pro Val
 65 130 135 140
 68 Ile Gly Thr Val Lys Asp Thr Gly Tyr Tyr Leu Lys Phe Ala Pro Glu
 69 145 150 155 160
 72 Ser Ala Ala Glu Lys Cys Thr Leu His Thr Tyr Asn Gly Glu Tyr Ile
 73 165 170 175
 76 Leu Asp His Phe His Tyr His Trp Gly Lys Lys Asp Gly Glu Gly Ala
 77 180 185 190

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80 Glu His Phe Ile Asp Gly Lys Gln Tyr Asp Ile Glu Phe His Phe Val
 81 195 200 205
 84 His Lys Lys Val Gly Leu Thr Asp Pro Asp Ala Arg Asp Ala Phe Ala
 85 210 215 220
 88 Val Leu Gly Val Phe Gly Lys Ala Asp Pro Arg Leu Lys Ile Asn Gly
 89 225 230 235 240
 92 Ile Trp Glu Leu Leu Ser Pro Ser Thr Val Leu Thr Val Asp Ser Thr
 93 245 250 255
 96 Arg Asn Val Ala Asp Val Val Pro Ser Lys Leu Leu Pro Ser Ala Arg
 97 260 265 270
 100 Asp Tyr Phe His Tyr Glu Gly Ser Leu Thr Thr Pro Thr Tyr Gly Glu
 101 275 280 285
 104 Val Val His Trp Phe Val Leu Asn Glu Pro Ile Ala Val Pro Ser Glu
 105 290 295 300
 108 Tyr Leu Ser Ala Leu Arg Gln Met Gln Ala Asp Lys Glu Gly Thr Val
 109 305 310 315 320
 112 Ile Asp Ser Asn Tyr Arg Glu Leu Gln Glu Val His Asn Arg Pro Val
 113 325 330 335
 116 Gln Arg Phe Lys Ser Asp Glu Gln Gly Arg Gly Glu Phe Asp Asp Ile
 117 340 345 350
 120 Ser Lys Asn Glu Asp Ile Val Glu Asp Leu Ser Lys Leu Ser Gly Asn
 121 355 360 365
 124 Phe Ile Arg Glu Leu Val Arg Lys Ile Tyr Trp
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128 <210> SEQ ID NO: 2

129 <211> LENGTH: 1396

130 <212> TYPE: DNA

131 <213> ORGANISM: Suberites domuncula

133 <400> SEQUENCE: 2

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| 136 | tagtactagt | agtctacaag | aacaactgtc | aacaactgtc | agattatgtg | tataaaccaa | 120 |
| 138 | gatgtctgca | attcttaaga | gaaacgtacc | tatccaaaga | gtcgggtctc | cactgacctc | 180 |
| 140 | ctatgtcagt | agatgggctt | ctgctctgcc | caccaggacc | catccttttt | acaagttggt | 240 |
| 142 | tgatgacagt | accacccag | tgacaaggtc | tactcttctc | agtgtcata | tggttgacac | 300 |
| 144 | cttgctagat | gagaaccagc | agagcagaca | tgaaaaccaa | cacacagaca | cgtcttacia | 360 |
| 146 | aatgtaccag | ggattaaaat | ttgttgtaaa | gacgtgtgtt | actccatcga | aatgccaccg | 420 |
| 148 | tcacttctcc | acatcagctc | atgtgtctgc | catgggtcga | catcaatccc | ccatcaatat | 480 |
| 150 | aatcacctcc | agtacgacca | aaggaccgtc | attgaaaccg | ttaaaattta | gcaagagttg | 540 |
| 152 | ggacaagcca | gtaatcggca | ccgtcaaaga | tactggctat | tatcttaaat | ttgcaccaga | 600 |
| 154 | atctgcagca | gagaagtgca | cattgcatac | gtacaatggt | gaatatatcc | tagatcattt | 660 |
| 156 | ccattatcac | tgggggaaga | aggatgggga | aggagcagag | catttcatcg | atggaaaaca | 720 |
| 158 | atacgacatc | gagttccact | ttgtacataa | aaaggttggg | ttgactgata | cagatgctag | 780 |
| 160 | agacgctttt | gctgttttgg | gcgtttttgg | aaaggccgac | cctcgtttga | agatcaatgg | 840 |
| 162 | aatctgggag | ctactctcac | cgtcaactgt | cctgactgtc | gactcaacac | gaaacgtcgc | 900 |
| 164 | tgatgttggt | ccctctaagc | ttctcccaag | tgccagagac | tattttcact | atgaaggttc | 960 |
| 166 | tttgaccaca | cctacgtatg | gtgaggttgt | gcactggttt | gttctcaatg | aacctatagc | 1020 |
| 168 | tgtccctagt | gagtatctgt | cagctctgag | acagatgcaa | gctgacaaaag | aagggtactgt | 1080 |
| 170 | gattgactca | aactatcgag | agcttcaaga | agtcacacaa | cgacctgtgc | aacgatttaa | 1140 |
| 172 | gagtgatgag | caaggagag | gagaatttga | cgatatttct | aagaatgagg | acattgtgga | 1200 |

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|-----|------------|-------------|-------------|------------|------------|-------------|------|
| 174 | ggacttgtct | aaattgtctg | gtaactttat | tagagagctg | gtcaggaaga | tatattggtg | 1260 |
| 176 | acctttttct | acacttggtta | gagtttttagg | ccagaataca | tttcatcatt | tggtactgtta | 1320 |
| 178 | ttttgtgtac | actgcttagc | agtttatata | aacactacaa | tgccattatt | ataatatagc | 1380 |
| 180 | caatgctgtg | atttga | | | | | 1396 |

VERIFICATION SUMMARY

DATE: 08/09/2006

PATENT APPLICATION: US/10/530,240A

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Input Set : A:\BB-142.ST25.txt

Output Set: N:\CRF4\08092006\J530240A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date